

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph, beginning at line 22 on page 5 and ending at line 5 on page 6, with the following paragraph rewritten in amendment format:

As shown in Fig. 3, step 10, when a time slot 32 is idle, the base station 20 measures the received signal strength (RSS) at each available uplink frequency available to the base station 20. While the present invention will be described with respect to received signal strength measurements made on the uplink frequencies available to the base station 20, the received signal strength measurements could instead be made on the downlink frequencies by the mobile station 10 or the received signal strength measurement on the uplink and downlink frequencies could be combined to form a composite received signal strength measurement.

Please replace the paragraph, beginning at line 21 on page 7 and ending at line 5 on page 7, with the following paragraph rewritten in amendment format:

As shown in Fig. 3, in the step S20, a predetermined number of the available uplink frequencies at the top of the long list 34 (i.e., those frequencies having the lowest RSSI values and thus lowest interference levels) are selected to create a short list 36. In a preferred embodiment, the predetermined number equals the number of transceivers in the sector/cell of the base station 20 plus a margin. As with the long list 34, a different short list 36 that constantly varies is created and kept for each time slot 32 of the frame 30. Instead of selecting a predetermined number of frequencies from the long list 34 to

create the short list 36, the short list 36 can be created from frequencies in the long list 34 having RSSI values below a predetermined threshold.

Please replace the paragraph on page 8, lines 3-12, with the following paragraph rewritten in amendment format:

The processing described above with respect to Fig. 3 takes place continuously while the time slot 32 is idle. When the time slot 32 is to serve as the communication channel between the base station 20 and a mobile station 10, then, referring to Fig. 4, communication between the base station 20 and the mobile station 10 is established in any well-known manner and the base station 20 measures the carrier power of the signal received from the mobile station 10 in step S50. Preferably, this measurement is an instantaneous measurement. Then, the base station calculates the carrier-to-interference ratio for each of the frequencies in the short list 36 of the time slot 32 using the measured carrier power and the RSSI value for the frequencies in the short list 36 in step S55. The base station 20, in any well-known manner, also obtains the CIR requirements for communication with the mobile station 10.